

IV. AMENDMENTS TO THE CLAIMS

1. – 5. (CANCELED)

6. (Currently Amended) A plunger for a syringe used for supporting and moving a gasket inserted in a syringe barrel, comprising:

a first screw portion having a first spiral groove formed at a tip thereof for mounting the gasket;

a pair of ring members arranged at an interval from each other at a rear of said first screw portion around a center axis of the plunger; and

a plurality of vane members arranged radially from the center axis of the plunger between said ring members;

wherein outer diameters of said ring members and said vane members are equal to an inner diameter of the syringe barrel or slightly smaller than the inner diameter;

further wherein the pair of ring members is arranged in a region of the plunger, ~~which region is less than 1/4 of the total length of the plunger,~~ so that when the tip of the plunger is inserted from a rear end of a syringe barrel before the first screw portions ~~portion~~ is connectable to a second screw portion having a second spiral groove of the gasket; and

wherein outer circumferential surfaces of the ring members and the vane member members all abut on an inner surface of the syringe barrel to guide the plunger.

7. (Previously Presented) A plunger for a syringe according to claim 6, wherein a liquid medicine is previously filled in the syringe barrel.

8. (Previously Presented) A plunger for a syringe according to claim 6, wherein eight pieces of said vane members are arranged at regular intervals and at central angles of 45°.

9. (Previously Presented) A plunger for a syringe according to claim 6, further comprising:

a flange portion formed at a rear end of the plunger; and
one or two or more gripping ring members arranged near a front of the flange portion around the center axis of the plunger,
wherein outer diameters of said gripping ring members are equal to the inner diameter of the syringe barrel or slightly smaller than the inner diameter.

10. (Previously Presented) A plunger for a syringe according to claim 9, wherein a rib is provided between ring member and the flange portion.